

Title (en)
QUINOLINE DERIVATIVES AND THEIR USE AS MYCOBACTERIAL INHIBITORS

Title (de)
CHINOLINDERIVATE UND DEREN VERWENDUNG ALS MYCOBAKTERIELLE INHIBITOREN

Title (fr)
DERIVES DE QUINOLEINE ET LEUR UTILISATION EN TANT QU'INHIBITEURS MYCOBACTERIENS

Publication
EP 1527050 B1 20100407 (EN)

Application
EP 03771115 A 20030718

Priority
• EP 0350322 W 20030718
• US 39871102 P 20020725
• EP 03771115 A 20030718

Abstract (en)
[origin: WO2004011436A1] The present invention relates to novel substituted quinoline derivatives according to the general Formula (Ia) or the general Formula (Ib), the pharmaceutically acceptable acid or base addition salts thereof, the stereochemically isomeric forms thereof, the tautomeric forms thereof and the N-oxide forms thereof. The claimed compounds are useful for the treatment of mycobacterial diseases, particularly those diseases caused by pathogenic mycobacteria such as Mycobacterium tuberculosis, M. bovis, M. avium and M. marinum. In particular, compounds are claimed in which, independently from each other, R<1> is bromo, p=1, R<2> is alkyloxy, R<3> is optionally substituted naphthyl or phenyl, q=1, R<4> and R<5> each independently are hydrogen, methyl or ethyl, R<6> is hydrogen, r is equal to 0 or 1 and R<7> is hydrogen. Also claimed is a composition comprising a pharmaceutically acceptable carrier and, as active ingredient, a therapeutically effective amount of the claimed compounds, the use of the claimed compounds or compositions for the manufacture of a medicament for the treatment of mycobacterial diseases and a process for preparing the claimed compounds.

IPC 8 full level
C07D 215/22 (2006.01); **A61K 31/47** (2006.01); **A61K 31/4706** (2006.01); **A61K 31/496** (2006.01); **A61K 31/5377** (2006.01); **A61K 31/541** (2006.01); **A61P 31/06** (2006.01); **C07D 215/227** (2006.01); **C07D 215/36** (2006.01); **C07D 215/48** (2006.01); **C07D 401/06** (2006.01); **C07D 401/12** (2006.01); **C07D 405/04** (2006.01); **C07D 405/06** (2006.01); **C07D 409/04** (2006.01); **C07D 409/06** (2006.01); **C07D 413/02** (2006.01); **C07D 417/02** (2006.01); **C07D 471/04** (2006.01); **C07D 521/00** (2006.01)

CPC (source: EP KR US)
A61P 31/00 (2018.01 - EP); **A61P 31/04** (2018.01 - EP); **A61P 31/06** (2018.01 - EP); **C07D 215/22** (2013.01 - KR); **C07D 215/227** (2013.01 - EP US); **C07D 215/36** (2013.01 - EP US); **C07D 215/48** (2013.01 - EP US); **C07D 231/12** (2013.01 - EP US); **C07D 233/56** (2013.01 - EP US); **C07D 249/08** (2013.01 - EP US); **C07D 401/06** (2013.01 - EP KR US); **C07D 401/12** (2013.01 - EP KR US); **C07D 405/04** (2013.01 - EP US); **C07D 405/06** (2013.01 - EP US); **C07D 409/04** (2013.01 - EP US); **C07D 409/06** (2013.01 - EP US); **C07D 471/04** (2013.01 - EP US)

Cited by
WO202327544A1; WO2021130732A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)
AL LT LV MK

DOCDB simple family (publication)
WO 2004011436 A1 20040205; AP 2005003210 A0 20050331; AP 2421 A 20120608; AR 040673 A1 20050413; AT E463482 T1 20100415; AU 2003262529 A1 20040216; AU 2003262529 B2 20091119; BE 2014C051 I2 20220809; BR 0312927 A 20050712; BR PI0312927 B1 20180710; BR PI0312927 B8 20210525; CA 2493225 A1 20040205; CA 2493225 C 20120320; CN 101070304 A 20071114; CN 101070304 B 20111026; CN 1325475 C 20070711; CN 1671667 A 20050921; CY 1111882 T1 20151104; CY 1113497 T1 20160622; CY 2014033 I1 20160413; CY 2014033 I2 20160413; DE 60332023 D1 20100520; DK 1527050 T3 20100719; DK 2301544 T3 20130102; EA 008937 B1 20071026; EA 200500257 A1 20050630; EP 1527050 A1 20050504; EP 1527050 B1 20100407; EP 2301544 A1 20110330; EP 2301544 B1 20120919; ES 2343458 T3 20100802; ES 2395237 T3 20130211; FR 14C0060 I1 20141010; FR 14C0060 I2 20151120; HK 1083496 A1 20060707; HK 1113795 A1 20081017; HR P20050045 A2 20060630; HR P20050045 B1 20130930; HR P20120190 A2 20120531; HR P20120190 A8 20120731; HR P20120190 B1 20170602; HU S1400047 I1 20160928; IL 166457 A0 20060115; IL 166457 A 20111031; IL 202655 A 20120430; IS 2914 B 20141215; IS 7620 A 20041229; JP 2006504658 A 20060209; JP 4484703 B2 20100616; KR 100733577 B1 20070629; KR 20050033607 A 20050412; LU 92520 I2 20151102; ME 00131 B 20101010; ME P9208 A 20100610; MX PA05001052 A 20050408; MY 143564 A 20110531; NL 300684 I2 20161011; NO 20050476 L 20050127; NO 2014021 I1 20140820; NO 2014021 I2 20140820; NO 329935 B1 20110124; NZ 538391 A 20051028; PL 222801 B1 20160930; PL 375523 A1 20051128; PT 1527050 E 20100622; PT 2301544 E 20121210; RS 20050058 A 20070604; RS 52431 B 20130228; SI 1527050 T1 20100831; SI 2301544 T1 20130131; TW 200410939 A 20040701; TW I323730 B 20100421; UA 82198 C2 20080325; US 2005148581 A1 20050707; US 7498343 B2 20090303; ZA 200500680 B 20060830

DOCDB simple family (application)
EP 0350322 W 20030718; AP 2005003210 A 20030718; AR P030102655 A 20030724; AT 03771115 T 20030718; AU 2003262529 A 20030718; BE 2014C051 C 20140814; BR 0312927 A 20030718; CA 2493225 A 20030718; CN 03817713 A 20030718; CN 200710104947 A 20030718; CY 101100634 T 20100707; CY 121101241 T 20121219; CY 2014033 C 20140814; DE 60332023 T 20030718; DK 03771115 T 20030718; DK 10154018 T 20030718; EA 200500257 A 20030718; EP 03771115 A 20030718; EP 10154018 A 20030718; ES 03771115 T 20030718; ES 10154018 T 20030718; FR 14C0060 C 20140818; HK 06103424 A 20060317; HK 08103990 A 20080409; HR P20050045 A 20050117; HR P20120190 A 20120228; HU S1400047 C 20140814; IL 16645705 A 20050124; IL 20265509 A 20091210; IS 7620 A 20041229; JP 2004523812 A 20030718; KR 20057000447 A 20050110; LU 92520 C 20140814; ME P9208 A 20030718; MX PA05001052 A 20030718; MY PI20032793 A 20030724; NL 300684 C 20140814; NO 20050476 A 20050127; NO 2014021 C 20140820; NZ 53839103 A 20030718; PL 37552303 A 20030718; PT 03771115 T 20030718; PT 10154018 T 20030718; SI 200331819 T 20030718; SI 200332211 T 20030718; TW 92120160 A 20030724; UA 2005001778 A 20030718; US 702604 A 20041208; YU P20050058 A 20030718; ZA 200500680 A 20050124